

May 5, 2005  
Case No. GP-301613 (2760/27)  
Serial No.: 09/970,626  
Filed: October 4, 2001  
Page 2 of 13

**CLAIM LISTING**

A listing of an entire set of claims 1-28 is submitted herewith per 37 CFR §1.121. This listing of claims 1-28 will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A method of bypassing a blocked voice channel of a mobile phone system comprising:
  - initiating a call request from a mobile phone;
  - scanning a plurality of control channels of a carrier;
  - measuring a signal strength of each control channel;
  - requesting service access on a first control channel of the carrier based on the signal strength;
  - receiving a blocked signal indicating no availability of a voice channel on the first control channel of the carrier;
  - selecting a second control channel of the carrier in response to the blocked signal, based on the signal strength; and
  - requesting service access on the second control channel of the carrier.
2. (Original) The method of claim 1 wherein the mobile phone system is an analog cellular phone system.
3. (Original) The method of claim 2 wherein the analog cellular phone system operates within a prescribed band between nominally 824.04 MHz and 893.97 MHz.
4. (Previously Presented) The method of claim 1 further comprising:
  - receiving a blocked signal indicating no availability of a voice channel on the second control channel of the carrier;
  - selecting a next strongest control channel of the carrier in response to the blocked signal based on the signal strength; and
  - requesting service access on the next strongest control channel of the carrier.

May 5, 2005  
Case No. GP-301613 (2760/27)  
Serial No.: 09/970,626  
Filed: October 4, 2001  
Page 3 of 13

5. (Original) The method of claim 1 wherein the voice channel uses a service selected from a group consisting of voice telephony, short messaging, paging, voice mail, electronic mail, call forwarding, caller identification, call waiting, conference calling, broadcast messages, voice band data, facsimile data, data transmission, modem access, direct access to computer networks, registration, authentication and access to emergency services.
6. (Original) The method of claim 1 further comprising:  
increasing priority for emergency services.
7. (Original) The method of claim 6 wherein the priority for emergency services is increased by reducing wait time during the call request.
8. (Original) The method of claim 1 wherein the call request is automatically initiated in response to an emergency.
9. (Original) The method of claim 8 wherein the emergency is indicated by the deployment of an air bag on a mobile vehicle carrying the mobile phone.
10. (Original) The method of claim 8 wherein the call request includes a geographical location of a mobile vehicle.
11. (Previously Presented) A method of bypassing a blocked voice channel of a mobile phone system, comprising:
  - initiating a call request from a mobile phone;
  - scanning a plurality of control channels of a carrier;
  - measuring a signal strength of each control channel;
  - requesting service access on a first control channel of the carrier based on the signal strength;
  - receiving a blocked signal indicating no availability of a voice channel on the first control channel of the first carrier;

May 5, 2005  
Case No. GP-301613 (2760/27)  
Serial No.: 09/970.626  
Filed: October 4, 2001  
Page 4 of 13

determining whether a vehicle carrying the mobile phone is within a predetermined vehicle speed range;

selecting a second control channel of the carrier in response to receiving the blocked signal when the vehicle is within the predetermined vehicle speed range, based on the signal strength; and

requesting service access on the second control channel of the carrier.

12. (Original) The method of claim 11 wherein the predetermined vehicle speed range is between about 0 and 10 miles per hour.

13. (Previously Presented) A computer usable medium including a program for bypassing a blocked voice channel of a mobile phone system, comprising:

computer program code for initiating a call request from a mobile phone;

computer program code for scanning a plurality of control channels of a carrier;

computer program code for measuring a signal strength of each control channel;

computer program code for requesting service access on a first control channel of the carrier based on the signal strength;

computer program code for receiving a blocked signal indicating no availability of a voice channel on the first control channel of the carrier;

computer program code for selecting a second control channel of the carrier in response to the blocked signal, based on the signal strength; and

computer program code for requesting service access on the second control channel of the carrier.

14. (Previously Presented) The computer usable medium of claim 13, further comprising:

computer program code for receiving a blocked signal indicating no availability of a voice channel on the second control channel of the carrier;

May 5, 2005  
Case No. GP-301613 (2760/27)  
Serial No.: 09/970,626  
Filed: October 4, 2001  
Page 5 of 13

computer program code for selecting a next strongest control channel of the carrier in response to the blocked signal based on the signal strength; and  
computer program code for requesting service access on the next strongest control channel of the carrier.

15. (Original) The computer usable medium of claim 13, further comprising:  
computer program code for increasing priority for emergency services.
16. (Original) The computer usable medium of claim 13, further comprising:  
computer program code for automatically initiating the call request in response to an emergency.
17. (Original) The computer usable medium of claim 16 wherein the emergency is indicated by the deployment of an on-board air bag.
18. (Original) The computer usable medium of claim 16 wherein the call request includes a geographical location of a mobile vehicle.
19. (Previously Presented) The computer usable medium of claim 14, further comprising:  
computer program code for determining whether a vehicle carrying the mobile phone is within a predetermined vehicle speed range; and  
computer program code for selecting a second control channel of the carrier in response to receiving the blocked signal when the vehicle is within the predetermined vehicle speed range, based on the signal strength.
20. (Previously Presented) A blocked voice channel bypassing system comprising:  
means for initiating a call request from a mobile phone;  
means for scanning a plurality of control channels of a carrier;  
means for measuring a signal strength of each control channel;

May 5, 2005  
Case No. GP-301613 (2760/27)  
Serial No.: 09/970,626  
Filed: October 4, 2001  
Page 6 of 13

means for requesting service access on a first control channel of the carrier based on the signal strength;

means for receiving a blocked signal indicating no availability of a voice channel on the first control channel of the carrier;

means for selecting a second control channel of the first carrier in response to the blocked signal, based on the signal strength; and

means for requesting service access on the second control channel of the carrier.

21. (Previously Presented) The system of claim 20 further comprising:

means for receiving a blocked signal indicating no availability of a voice channel on the second control channel of the carrier;

means for selecting a next strongest control channel of the carrier in response to the blocked signal based on the signal strength; and

means for requesting service access on the next strongest control channel of the carrier.

22. (Original) The system of claim 20 wherein the means for initiating a call request from a mobile phone includes an analog cellular phone system operating within a prescribed band between nominally 824.04 MHz and 893.97 MHz.

23. (Original) The system of claim 20 further comprising:

means for increasing priority for emergency services.

24. (Previously Presented) The system of claim 20 further comprising:

means for determining whether a vehicle carrying the mobile phone is within a vehicle speed range; and

means for selecting a second control channel of the carrier in response to receiving the blocked signal when the vehicle is within the predetermined vehicle speed range, based on the signal strength.

May 5, 2005  
Case No. GP-301613 (2760/27)  
Serial No.: 09/970,626  
Filed: October 4, 2001  
Page 7 of 13

25. (Previously Presented) The method of claim 1, wherein the carrier is a home carrier.

26. (Previously Presented) The method of claim 11, wherein the carrier is a home carrier.

27. (Previously Presented) The computer reusable medium of claim 13, wherein the carrier is a home carrier.

28. (Previously Presented) The system of claim 20, wherein the carrier is a home carrier.